

SEQUENCE LISTING

<110> Yukio Goto  
Hideo Kikkawa  
Mine Kinoshita

<120> METHODS OF TREATMENT WITH LXR AGONISTS

<130> TB000009

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<141> Herewith

<150> PCT/EP2004/008426

<151> 2004-7-27

<150> 60/490614

<151> 2003-7-28

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<170> FastSEQ for Windows Version 4.0

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| agagaggaag  | ccaggatgcc | ccactctgct | gggggtactg  | caggggtggg | gctggaggct  | 180  |
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| tggtggggaca | aggcctcggg | cttcactac  | aatgttctga  | gctgagagg  | ctgcaaggga  | 360  |
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| cgactgatgt  | tcccacggat | gctaataaaa | ctgggtgagcc | tccggaccct | gagcagcgtc  | 1260 |
| cactcagagc  | aagtgtttgc | actgcgtctg | caggacaaaa  | agctccacc  | gctgctctct  | 1320 |
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| Met | Ser | Leu | Trp | Leu | Gly | Ala | Pro | Val | Pro | Asp | Ile | Pro | Pro | Asp | Ser | 1   | 5   | 10  | 15  |
| Ala | Val | Glu | Leu | Trp | Lys | Pro | Gly | Ala | Gln | Asp | Ala | Ser | Ser | Gln | Ala | 20  | 25  | 30  |     |
| Gln | Gly | Gly | Ser | Ser | Cys | Ile | Leu | Arg | Glu | Glu | Ala | Arg | Met | Pro | His | 35  | 40  | 45  |     |
| Ser | Ala | Gly | Gly | Thr | Ala | Gly | Val | Gly | Leu | Glu | Ala | Ala | Glu | Pro | Thr | 50  | 55  | 60  |     |
| Ala | Leu | Leu | Thr | Arg | Ala | Glu | Pro | Pro | Ser | Glu | Pro | Thr | Glu | Ile | Arg | 65  | 70  | 75  | 80  |
| Pro | Gln | Lys | Arg | Lys | Lys | Gly | Pro | Ala | Pro | Lys | Met | Leu | Gly | Asn | Glu | 85  | 90  | 95  |     |
| Leu | Cys | Ser | Val | Cys | Gly | Asp | Lys | Ala | Ser | Gly | Phe | His | Tyr | Asn | Val | 100 | 105 | 110 |     |
| Leu | Ser | Cys | Glu | Gly | Cys | Lys | Gly | Phe | Phe | Arg | Arg | Ser | Val | Ile | Lys | 115 | 120 | 125 |     |
| Gly | Ala | His | Tyr | Ile | Cys | His | Ser | Gly | Gly | His | Cys | Pro | Met | Asp | Thr | 130 | 135 | 140 |     |
| Tyr | Met | Arg | Arg | Lys | Cys | Gln | Glu | Cys | Arg | Leu | Arg | Lys | Cys | Arg | Gln | 145 | 150 | 155 | 160 |
| Ala | Gly | Met | Arg | Glu | Glu | Cys | Val | Leu | Ser | Glu | Glu | Gln | Ile | Arg | Leu | 165 | 170 | 175 |     |
| Lys | Lys | Leu | Lys | Arg | Gln | Glu | Glu | Glu | Gln | Ala | His | Ala | Thr | Ser | Leu |     |     |     |     |
|     |     |     |     | 180 |     |     |     | 185 |     |     |     | 190 |     |     |     |     |     |     |     |
| Pro | Pro | Arg | Arg | Ser | Ser | Pro | Pro | Gln | Ile | Leu | Pro | Gln | Leu | Ser | Pro | 195 | 200 | 205 |     |
| Glu | Gln | Leu | Gly | Met | Ile | Glu | Lys | Leu | Val | Ala | Ala | Gln | Gln | Gln | Cys | 210 | 215 | 220 |     |
| Asn | Arg | Arg | Ser | Phe | Ser | Asp | Arg | Leu | Arg | Val | Thr | Pro | Trp | Pro | Met | 225 | 230 | 235 | 240 |
| Ala | Pro | Asp | Pro | His | Ser | Arg | Glu | Ala | Arg | Gln | Gln | Arg | Phe | Ala | His | 245 | 250 | 255 |     |
| Phe | Thr | Glu | Leu | Ala | Ile | Val | Ser | Val | Gln | Glu | Ile | Val | Asp | Phe | Ala | 260 | 265 | 270 |     |
| Lys | Gln | Leu | Pro | Gly | Phe | Leu | Gln | Leu | Ser | Arg | Glu | Asp | Gln | Ile | Ala | 275 | 280 | 285 |     |
| Leu | Leu | Lys | Thr | Ser | Ala | Ile | Glu | Val | Met | Leu | Leu | Glu | Thr | Ser | Arg | 290 | 295 | 300 |     |
| Arg | Tyr | Asn | Pro | Gly | Ser | Glu | Ser | Ile | Thr | Phe | Leu | Lys | Asp | Phe | Ser | 305 | 310 | 315 | 320 |
| Tyr | Asn | Arg | Glu | Asp | Phe | Ala | Lys | Ala | Gly | Leu | Gln | Val | Glu | Phe | Ile | 325 | 330 | 335 |     |
| Asn | Pro | Ile | Phe | Glu | Phe | Ser | Arg | Ala | Met | Asn | Glu | Leu | Gln | Leu | Asn | 340 | 345 | 350 |     |
| Asp | Ala | Glu | Phe | Ala | Leu | Leu | Ile | Ala | Ile | Ser | Ile | Phe | Ser | Ala | Asp | 355 | 360 | 365 |     |
| Arg | Pro | Asn | Val | Gln | Asp | Gln | Leu | Gln | Val | Glu | Arg | Leu | Gln | His | Thr | 370 | 375 | 380 |     |
| Tyr | Val | Glu | Ala | Leu | His | Ala | Tyr | Val | Ser | Ile | His | His | Pro | His | Asp | 385 | 390 | 395 | 400 |
| Arg | Leu | Met | Phe | Pro | Arg | Met | Leu | Met | Lys | Leu | Val | Ser | Leu | Arg | Thr | 405 | 410 | 415 |     |
| Leu | Ser | Ser | Val | His | Ser | Glu | Gln | Val | Phe | Ala | Leu | Arg | Leu | Gln | Asp | 420 | 425 | 430 |     |
| Lys | Lys | Leu | Pro | Pro | Leu | Leu | Ser | Glu | Ile | Trp | Asp | Val | His | Glu |     | 435 | 440 | 445 |     |

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 35 40 45  
 Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp  
 50 55 60  
 Pro Glu Glu Glu Pro Glu Arg Lys Arg Lys Lys Gly Pro Ala Pro Lys  
 65 70 75 80  
 Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly  
 85 90 95  
 Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg  
 100 105 110  
 Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly  
 115 120 125  
 Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys  
 130 135 140  
 Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu  
 145 150 155 160  
 Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Glu  
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 Ser Gln Ser Gln Ser Gln Ser Pro Val Gly Pro Gln Gly Ser Ser Ser  
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 Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly Ser

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
|     | 195 |     | 200 |     | 205 |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
| Gln | Gly | Ser | Gly | Glu | Gly | Glu | Gly | Val | Gln | Leu | Thr | Ala | Ala | Gln | Glu |  |  |  |  |
|     | 210 |     |     |     |     |     | 215 |     |     |     |     | 220 |     |     |     |  |  |  |  |
| Leu | Met | Ile | Gln | Gln | Leu | Val | Ala | Ala | Gln | Leu | Gln | Cys | Asn | Lys | Arg |  |  |  |  |
| 225 |     |     |     |     | 230 |     |     |     |     | 235 |     |     |     |     | 240 |  |  |  |  |
| Ser | Phe | Ser | Asp | Gln | Pro | Lys | Val | Thr | Pro | Trp | Pro | Leu | Gly | Ala | Asp |  |  |  |  |
|     |     |     |     | 245 |     |     |     |     | 250 |     |     |     |     | 255 |     |  |  |  |  |
| Pro | Gln | Ser | Arg | Asp | Ala | Arg | Gln | Gln | Arg | Phe | Ala | His | Phe | Thr | Glu |  |  |  |  |
|     |     |     | 260 |     |     |     |     | 265 |     |     |     |     | 270 |     |     |  |  |  |  |
| Leu | Ala | Ile | Ile | Ser | Val | Gln | Glu | Ile | Val | Asp | Phe | Ala | Lys | Gln | Val |  |  |  |  |
|     |     | 275 |     |     |     |     | 280 |     |     |     |     | 285 |     |     |     |  |  |  |  |
| Pro | Gly | Phe | Leu | Gln | Leu | Gly | Arg | Glu | Asp | Gln | Ile | Ala | Leu | Leu | Lys |  |  |  |  |
|     | 290 |     |     |     |     | 295 |     |     |     |     | 300 |     |     |     |     |  |  |  |  |
| Ala | Ser | Thr | Ile | Glu | Ile | Met | Leu | Leu | Glu | Thr | Ala | Arg | Arg | Tyr | Asn |  |  |  |  |
| 305 |     |     |     |     | 310 |     |     |     |     | 315 |     |     |     |     | 320 |  |  |  |  |
| His | Glu | Thr | Glu | Cys | Ile | Thr | Phe | Leu | Lys | Asp | Phe | Thr | Tyr | Ser | Lys |  |  |  |  |
|     |     |     |     | 325 |     |     |     |     | 330 |     |     |     |     | 335 |     |  |  |  |  |
| Asp | Asp | Phe | His | Arg | Ala | Gly | Leu | Gln | Val | Glu | Phe | Ile | Asn | Pro | Ile |  |  |  |  |
|     |     |     | 340 |     |     |     |     | 345 |     |     |     |     | 350 |     |     |  |  |  |  |
| Phe | Glu | Phe | Ser | Arg | Ala | Met | Arg | Arg | Leu | Gly | Leu | Asp | Asp | Ala | Glu |  |  |  |  |
|     |     | 355 |     |     |     |     | 360 |     |     |     |     | 365 |     |     |     |  |  |  |  |
| Tyr | Ala | Leu | Leu | Ile | Ala | Ile | Asn | Ile | Phe | Ser | Ala | Asp | Arg | Pro | Asn |  |  |  |  |
|     | 370 |     |     |     |     | 375 |     |     |     |     | 380 |     |     |     |     |  |  |  |  |
| Val | Gln | Glu | Pro | Gly | Arg | Val | Glu | Ala | Leu | Gln | Gln | Pro | Tyr | Val | Glu |  |  |  |  |
| 385 |     |     |     |     | 390 |     |     |     |     | 395 |     |     |     |     | 400 |  |  |  |  |
| Ala | Leu | Leu | Ser | Tyr | Thr | Arg | Ile | Lys | Arg | Pro | Gln | Asp | Gln | Leu | Arg |  |  |  |  |
|     |     |     |     | 405 |     |     |     |     | 410 |     |     |     |     | 415 |     |  |  |  |  |
| Phe | Pro | Arg | Met | Leu | Met | Lys | Leu | Val | Ser | Leu | Arg | Thr | Leu | Ser | Ser |  |  |  |  |
|     |     |     | 420 |     |     |     |     | 425 |     |     |     |     | 430 |     |     |  |  |  |  |
| Val | His | Ser | Glu | Gln | Val | Phe | Ala | Leu | Arg | Leu | Gln | Asp | Lys | Lys | Leu |  |  |  |  |
|     |     | 435 |     |     |     |     | 440 |     |     |     |     | 445 |     |     |     |  |  |  |  |
| Pro | Pro | Leu | Leu | Ser | Glu | Ile | Trp | Asp | Val | His | Glu |     |     |     |     |  |  |  |  |
|     | 450 |     |     |     |     | 455 |     |     |     |     | 460 |     |     |     |     |  |  |  |  |